



# iData T1 Pro

Next-Generation Professional Smart Terminal

## Enhanced in Multiple Aspects, a More Powerful Mobile Working Assistant

The iData T1 Pro has seen upgrades in various configurations and form factors compared to its predecessor. With a more powerful core and additional enhancements, the device can support more business operations. The latest iData scanning engine, available in both right-angle and tilt-angle options, allows the device to adapt to more diverse work scenarios. The newly upgraded detachable battery design, backup power support, and various charging accessories significantly enhance the efficiency of device clusters.

### Multiple Enhancements for Comprehensive Business Support

The newly upgraded CPU boasts an **AnTuTu benchmark score exceeding 200,000\***, paired with the latest Android 14.0, providing frontline workers with a user experience comparable to mainstream smartphones. Increased memory and flash storage support allow workers to pre-install and run more applications, effortlessly supporting more business operations.

### Enhanced Scanning Performance for Versatile Operations

Featuring iData's latest scanning engine, the device can quickly capture almost any 1D/2D barcode. The support for mid-range and long-range scanning engines expands operational scenarios. With both right-angle and tilt-angle scanning options, the 27° optimal scanning angle enables easy scanning and information confirmation without lifting the device.

### Improved Battery Life for More Efficient Cluster Operations

The newly upgraded 5000mAh removable battery design with backup power support greatly enhances the device's battery life. When the device is low on power, there is no need to shut it down; simply replace the battery, and it is ready to use immediately. With various charging accessories, the device can achieve higher efficiency in scenarios requiring large-scale cluster operations, such as warehouses and sorting centers.



Store Management



Inventory Management



E-commerce Shipping



Production Management

\*Due to limitations of the test environment and the version of AnTuTu, actual benchmark scores may vary.

# T1 Pro Technical Specifications

## System Configuration

|                              |                                                                                                                                                                                            |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor                    | Octa-core 2.0GHz high-performance processor                                                                                                                                                |
| Operating System             | Android 14.0 (GMS)                                                                                                                                                                         |
| Memory (ROM+RAM)             | 64GB + 4GB (standard)                                                                                                                                                                      |
| SIM                          | Select two out of three available SIM card slots, support dual SIM and dual standby<br>* two cards can be inserted at the same time, Nano SIM card + Nano SIM card /Nano SIM card +TF card |
| Expansion Slot               | Micro SD card (up to 512GB)                                                                                                                                                                |
| Display Screen               | 5.5-inch, resolution: 1440*720 pixels, IPS                                                                                                                                                 |
| Touch Screen                 | Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch                                                                                                            |
| Camera                       | 13MP rear camera, support auto-focus/PDAF, 5MP front camera                                                                                                                                |
| Flashlight                   | 1A flashlight                                                                                                                                                                              |
| Keypad                       | 6 keys in total: side scan key *2, side power key *1, volume key*2, custom key*1                                                                                                           |
| Battery                      | 3.85V lithium battery, with 5000mAh, detachable, support backup battery                                                                                                                    |
| Audio                        | Built-in dual microphone (noise-canceling microphone)                                                                                                                                      |
| Charging Method              | Type-C charging and pin port charging, support 18W fast charging                                                                                                                           |
| Reminder                     | Vibration reminder/LED reminder/Audio reminder                                                                                                                                             |
| Vibrating Motor              | Built-in vibrating motor                                                                                                                                                                   |
| Sensors                      | G-sensor/ Proximity sensor/Light sensor, Optional: Gyroscope/geomagnetic sensor/high-precision barometer                                                                                   |
| Intercom Function (Optional) | Support one-button PTT calls                                                                                                                                                               |

## Structure Parameter

|                   |                              |
|-------------------|------------------------------|
| Dimension (L*W*D) | 160.7mm*74.9mm*15.4mm        |
| Weight            | 278g (including the battery) |

## Environmental Parameter

|                           |                                                                                         |
|---------------------------|-----------------------------------------------------------------------------------------|
| Working Temperature       | -20°C - 60°C<br>*Do not charge under low temperature conditions for the safety concerns |
| Storage Temperature       | -40°C - 60°C (without the battery)                                                      |
| Humidity                  | 0 - 95% (no moisture condensation)                                                      |
| Drop Specification        | Multiple drops to concrete floor from the height of 1.5m                                |
| Roller Drop Specification | 1000 times of roller drops from a height of 0.5 meter                                   |
| Ingress Protection        | IP67/IP65                                                                               |
| ESD Protection            | ±15KV (air discharge), ±8KV (contact discharge)                                         |

## Communication Interface

|               |                                   |
|---------------|-----------------------------------|
| USB Interface | Type-C (with headset function) *1 |
| OTG Interface | Support                           |

## Scanning Engine

|                        |                                                        |
|------------------------|--------------------------------------------------------|
| Barcode Type           | It can scan one-dimensional / two-dimensional barcodes |
| Scanning Accuracy      | ≥3.33mil                                               |
| Scanning Angle         | Pitch: ±60°; Skew: ±45°; Tilt: 360°                    |
| View Angle             | Horizontal: 44.3°, Vertical: 28.4°, Diagonal: 51°      |
| Motion Error Tolerance | 8m/s                                                   |

## Communication Transmission

|                          |                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WWAN (Network Frequency) | China & Eurasian version<br>2G: B2/B3/B5/B8<br>3G: WCDMA: B1/B2/B5/B8<br>TD-SCDMA: B34/B39<br>4G: FDD-LTE: B1/B3/B5/B7/B8/B20<br>TDD-LTE: B34/B38/B39/B40/B41<br>Global version<br>2G: B2/B3/B5/B8<br>3G: WCDMA: B1/B2/B4/B5/B8<br>TD-SCDMA: B34/B39<br>4G: FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28A/B28B<br>TDD-LTE: B34/B38/B39/B40/B41 |
| WWAN (Data Service)      | GSM/GPRS/EDGE/UMTS/HSPA/HSPA+/WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE                                                                                                                                                                                                                                                                                    |
| WLAN Function            | Wi-Fi 802.11a/b/g/n/r/ac (2.4G + 5G dual-band Wi-Fi), support fast roaming                                                                                                                                                                                                                                                                      |
| Bluetooth                | Bluetooth 5.0, support BLE                                                                                                                                                                                                                                                                                                                      |
| GPS                      | GPS/AGPS/BDS/Galileo/GLONASS/QZSS                                                                                                                                                                                                                                                                                                               |

## NFC (standard)

|                        |                        |
|------------------------|------------------------|
| Working Frequency      | 13.56 MHz              |
| Reading Distance       | Within 40 mm           |
| Communication Protocol | ISO14443A/14443B/15693 |

## Development Support

|                      |                                                                                                                                  |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Programming Language | Java                                                                                                                             |
| Development API      | iScan API (Scanning Development Kits), Device API (Device Management/Configuration Development Kits), Android Standard Interface |
| Development Tool     | Eclipse/Android Studio                                                                                                           |

## Accessories

|                      |                                                                                                                                                                       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard Accessories | USB cable*1, back strap *1, power adapter*1, battery*1                                                                                                                |
| Optional Accessories | Power adapter(fast charging), 2-in-1 charging cradle, 4-slot charging cradle, multifunctional 5-slot cradle, hand strap, fanny pack, protective case, protective film |

The information of iData products and software service may be subject to change without notice. Please contact your iData sales representative for the latest details.



Official Website

## WUXI IDATA TECHNOLOGY CO., LTD.

Address: Floor 11, Building B1, Wuxi (Binhu) National Sensing Information Center,  
No.999 Gaolang East Road, Wuxi City, Jiangsu Province, P.R.C.

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**Each product comes with a pack of practical and cost-effective accessories**

## USB Cable

Type-C to USB cable, 1m in length, support charging and data transmission



CHA-USBC-GNR

## Back Strap

Mounted on the back of the device, design for stable gripping, protect device from sliding accidentally

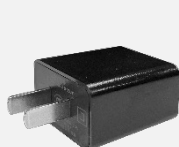


MNT-BS-T1 Pro

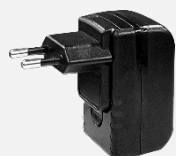
## Power Adapter

Input voltage 100-240V, output 5V2A. Support plug types of China/Europe/UK/US/Australia, match with CHA-USBC-GNR

ps: select one of the available power adapters



CHA-PWAD-GNR-5V2A-CN



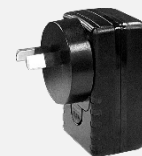
CHA-PWAD-GNR-5V2A-EU



CHA-PWAD-GNR-5V2A-UK



CHA-PWAD-GNR-5V2A-US



CHA-PWAD-GNR-5V2A-AU

## Battery

5000mAh, detachable, equipped with one battery.

PS: additional battery units are available for purchase



CHA-BTRY-T1 Pro-5000MA

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## Improve management efficiency of devices and operational level of enterprises

### Battery

5000mAh, detachable, equipped with one battery.

PS: additional battery units are available for purchase



CHA-BTRY-T1 Pro-5000MA

### Multifunctional 5-slot cradle

support maximum connection for 5 units of 2-in-1 bottom chargers or 4-slot battery charging cradle, available power

adapter types are: China/Europe/UK/US/Australia

PS: select one out of the available power adapters



CHA-MCRD5S-GNR

### 2-in-1 charging cradle

support maximum charging of 1 main units and 1 battery at the same time. Support connection to multifunctional 5-slot cradle.

Available power adapter types: China/Europe/UK/US/Australia

ps: select one out of the available power adapters



CHA-BTC21-T1 Pro

### 4-slot battery charging cradle

support maximum charging of 4 main units at the same time.

Support connection to multifunctional 5-slot cradle. Available

power adapter types: China/Europe/UK/US/Australia

ps: select one out of the available power adapters



CHA-CRD4B-T1 Pro

### Power adapter (fast charging)

Input voltage 100-240V, output 9V2A. Support plug types of China/Europe/UK/US/Australia, match with CHA-USBC-GNR

ps: select one out of the available power adapters



CHA-PWAD-GNR-9V2A-EU

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## T1 Pro Optional Accessories for Portability

Accessories Guide

**Improve device portability and comfort for users, boost working efficiency**

### Fanny Pack

Used to carry main units and other accessories. Can be tied to the waist or used as a crossbody bag



MNT-FP-GNR

### Hand Strap

Wear on your wrist to carry the device, avoid accidental drops, and assure the safety of equipment



MNT-HS-GNR

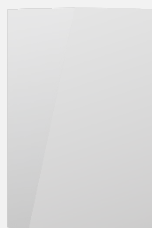
## T1 Pro Optional Accessories for Protection

Accessories Guide

**Lower risks of malfunction during usage, extend lifespan of devices**

### Protective Film

Protective film for touchscreen. It can protect the screen from cracking or being scratched in case there's any accidental drops or impact during usage



PRT-PTF-T1

### Protective Case

Protective case for the main unit. It can prevent the malfunction of main unit in case there's any accidental drops or impact during usage



PRT-PTC-T1 Pro-RA



PRT-PTC-T1 Pro-TA

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